

H1N1 Vaccine Doses Administered Reporting Event Results Sharing Webinar 2009

Presented February 17, 2010

Joint Presentation by:

Division of Informatics Solutions and Operations (proposed)

Public Health Informatics and Technology Program Office (proposed)

and

Immunization Services Division

National Center for Immunization and Respiratory Diseases





Agenda

- Background
- Results
- Feedback
- Lessons Learned
- Next Steps
- Open Question & Comment

Guidelines for Doses Administered Reporting



- Each Project Area responsible for sending data to CRA for each reporting period that aggregates all the doses administered for all clinics in the jurisdiction by age group and dose number
- Reporting based on the MMWR week (Sunday – Saturday)
- Reporting required weekly to CDC by Tuesday 11:59 pm of respective time zone



Aggregate Reporting Options via CRA



2009 H1N1 Response



State enter data into state's Immunization Information System or other equivalent application and is extracted in one of these formats:

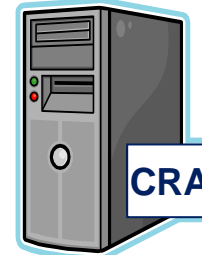
**Option 1
Data exchange**

Pipe-delimited File

XML File

HL 7

File is securely transferred to CDC via either CRA application or PHIN MS and loaded into CRA for reporting



**26
Option 1
Users**



Aggregate data entered directly into CRA via the web-based aggregate reporting interface

**Option 2
Direct web entry**

Data is available in CRA for reporting



**35
Option 2
Users**



Individual level data is entered directly into CRA via the web based flexible Treatment interface

**Option 3
Individual level
data entry**

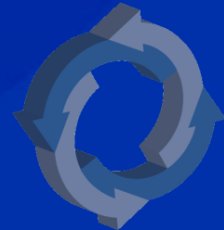
Individual level data are automatically aggregated by CRA and are available for reporting



**1
Option 3
User**

H1N1 Vaccine Doses Administered

Data Summary Results



- Reporting period 10/03 -11/21
 - Updates allowed through 12/31/2009
- Total doses administered for the period 10/03 – 11/21 as of 1/1/10: **14,788,795**
- Project Area reporting status
 - **35%** doses administered reported/doses shipped
 - Children ages 5-18 received more than **35%** of the reported H1N1 vaccine
 - Over **83%** of the vaccine reported was for persons under 65 years
- Average lag time was 2 – 4 weeks for receiving full updated counts

H1N1 Vaccine Doses Administered Final Counts



Influenza A (H1N1) 2009 Monovalent Vaccine Confirmed Doses Administered Summary Report

Date Range: 11/15/2009 to 11/21/2009 (2009 MMWR 46)

Figure 1: National totals

	H1N1 Vaccine Counts		
	Weekly Total For week ending: 11/21/2009	Cumulative Total From:09/15/2009 To 11/21/2009	Cumulative Percents % of Administered Vaccine Reported % of Population*
<u>Age Group</u>			
6-23 m	211,795	842,458	5.70%
24-59 m	352,901	1,718,372	11.62%
5-18 y	1,236,609	5,246,737	35.48%
19-24 y	197,734	913,680	6.18%
25-49 y	688,647	3,663,911	24.77%
50-64 y	448,654	1,827,796	12.36%
65+	193,871	575,841	3.89%
	3,330,211	14,788,795	100.00%
<u>Dose Number</u>			
1st	3,204,051	14,499,855	98.05%
2nd	84,348	137,210	0.93%
Unknown	41,812	151,730	1.03%
	3,330,211	14,788,795	100.00%
			4.87%

H1N1 Vaccine Doses Administered Final Map



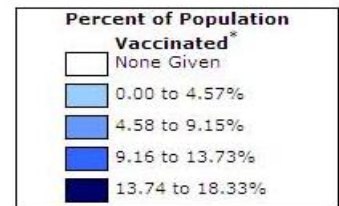
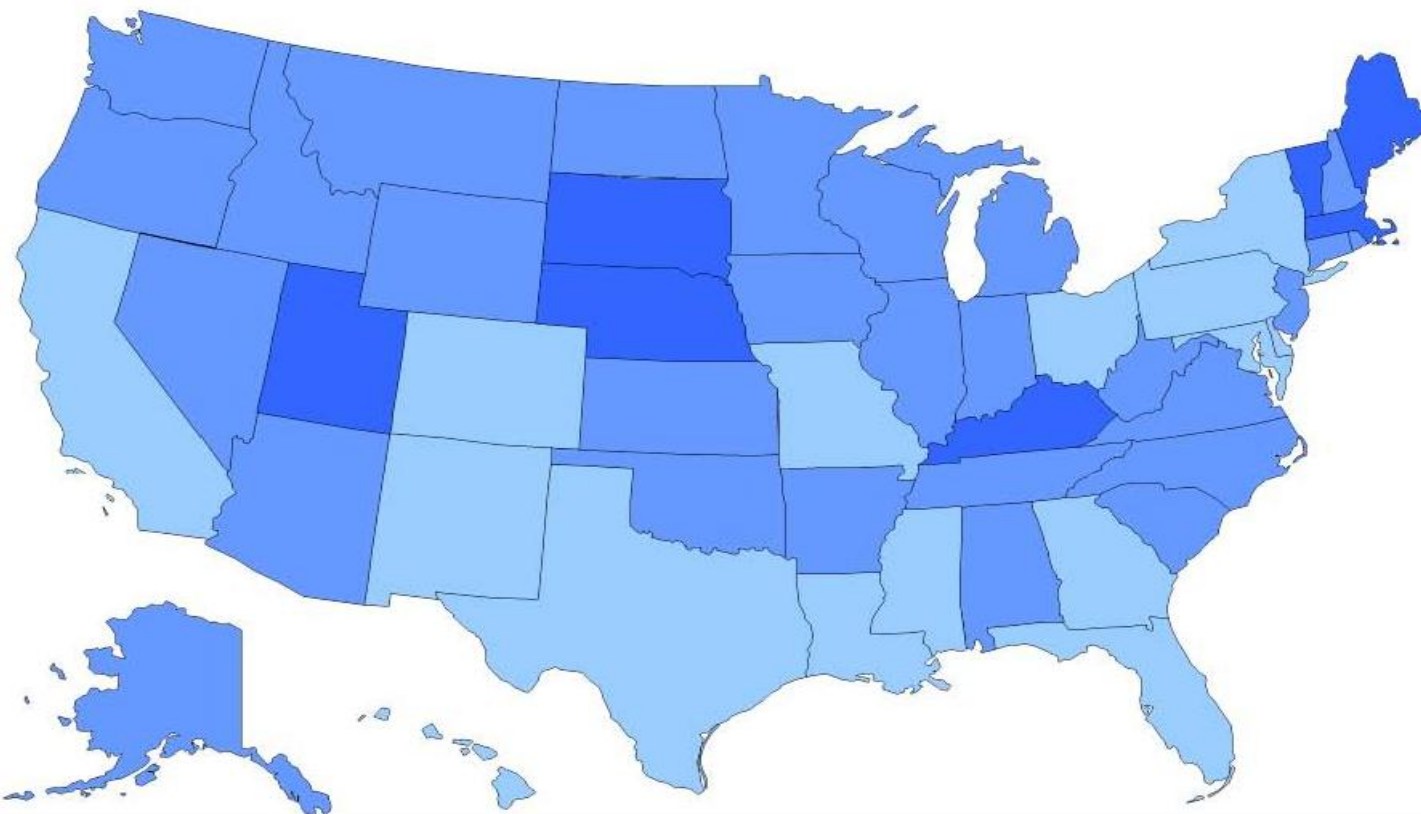
Influenza A (H1N1) 2009 Monovalent Vaccine Confirmed Doses Administered Summary Report

Date Range: 11/15/2009 to 11/21/2009 (2009 MMWR 46)

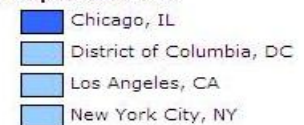
Figure 3: National map

Total Doses Administered: 14,499,855

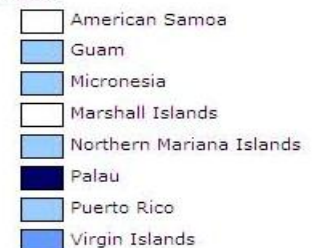
Data represents 1st dose



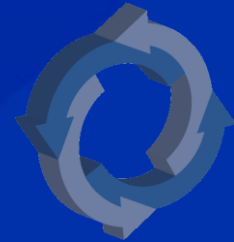
Metropolitan Areas



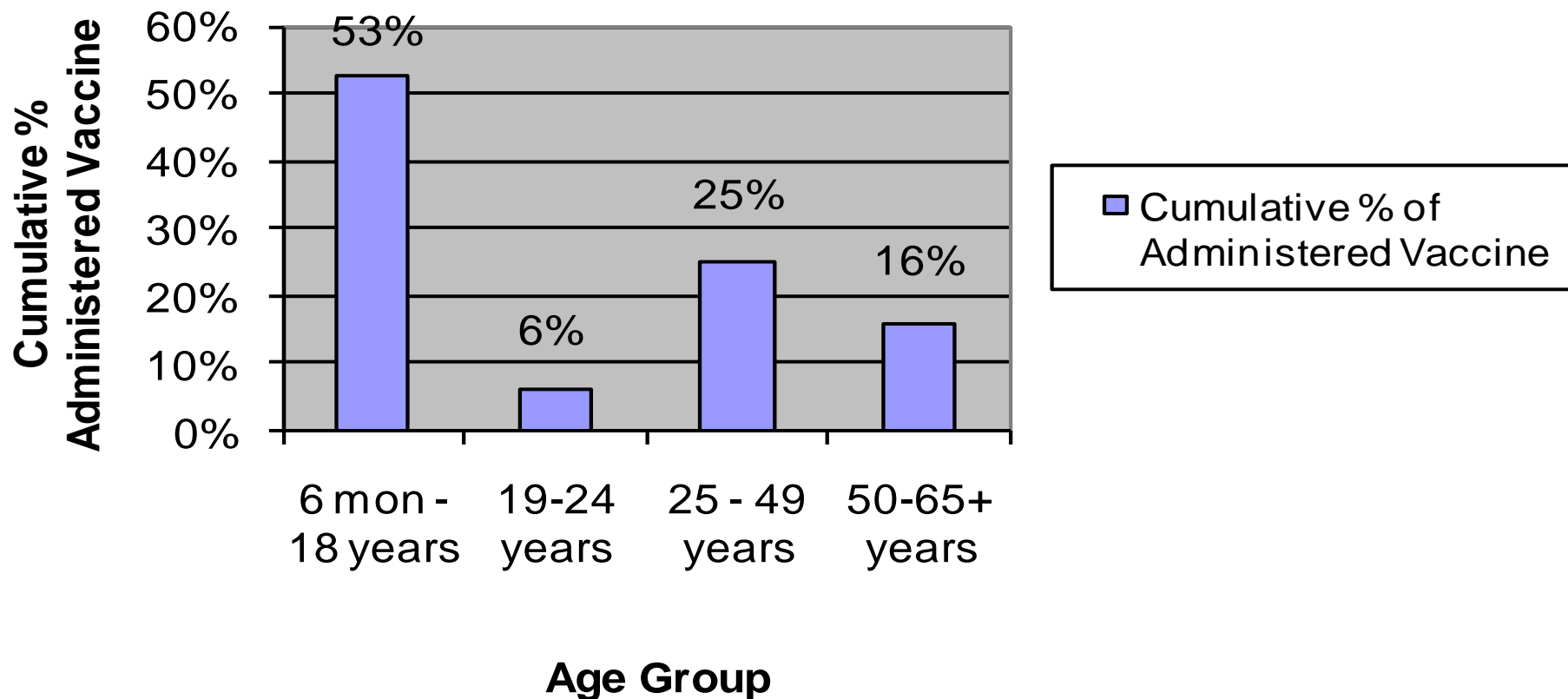
Islands



H1N1 Doses Administered By Age Group



Total Administered Doses by Age Group as of 01/01/2010

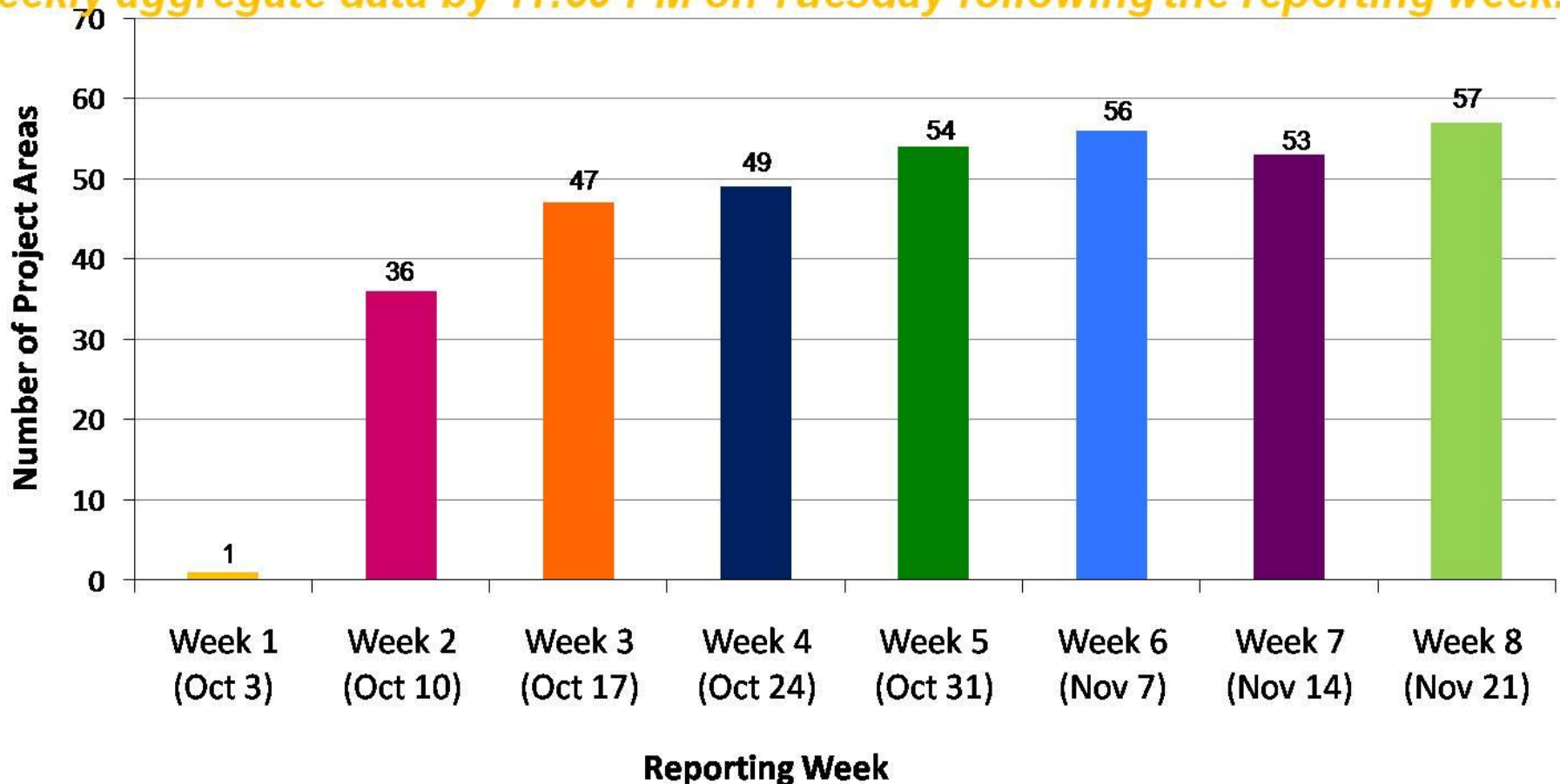


Reporting Timeliness



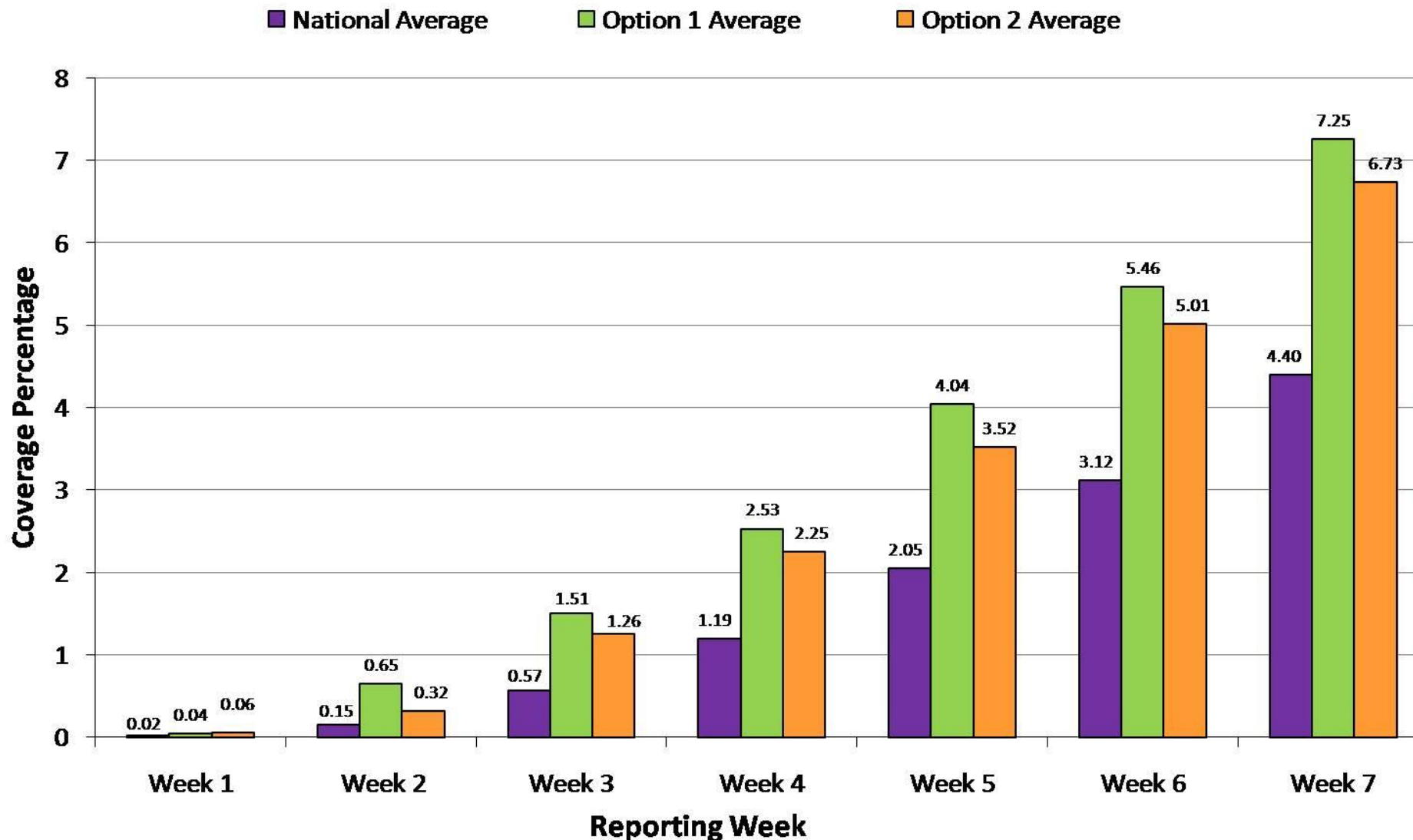
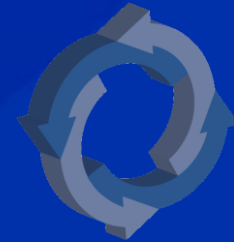
Timeliness: Sending weekly aggregate data by 11:59 PM on Tuesday following the reporting week.

weekly aggregate data by 11:59 PM on Tuesday following the reporting week.



Robust Project Areas (11/21/2009)

National and Option Type Coverage



Aggregation Method Among Web Entry Aggregate Users (Option 1)



Reporting method	Count	Percentage
PIPE/CRA	9/20	45%
XML/CRA	8/20	40%
XML/PHIN MS	3/20	15%

* Data for 6 Project Areas was not received

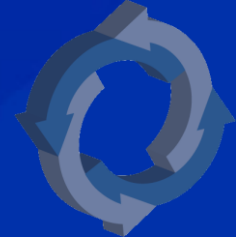
Aggregation Method Among Web Entry Aggregate Users (Option 2)



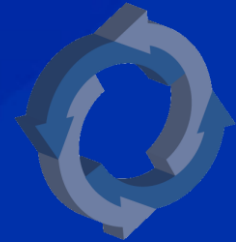
Reporting method	Count	Percentage
Combination (all methods)	24/32	75%
IIS in combination w/other method	18/32	56%
Paper + IIS	12/32	37%
Web link + other method	7/34	20%
Paper only	6/32	19%
Survey + other method	3/32	9%
Paperless	1/32	3%

* Data for 2 Project Areas was not received

Feedback Questionnaire Outcomes

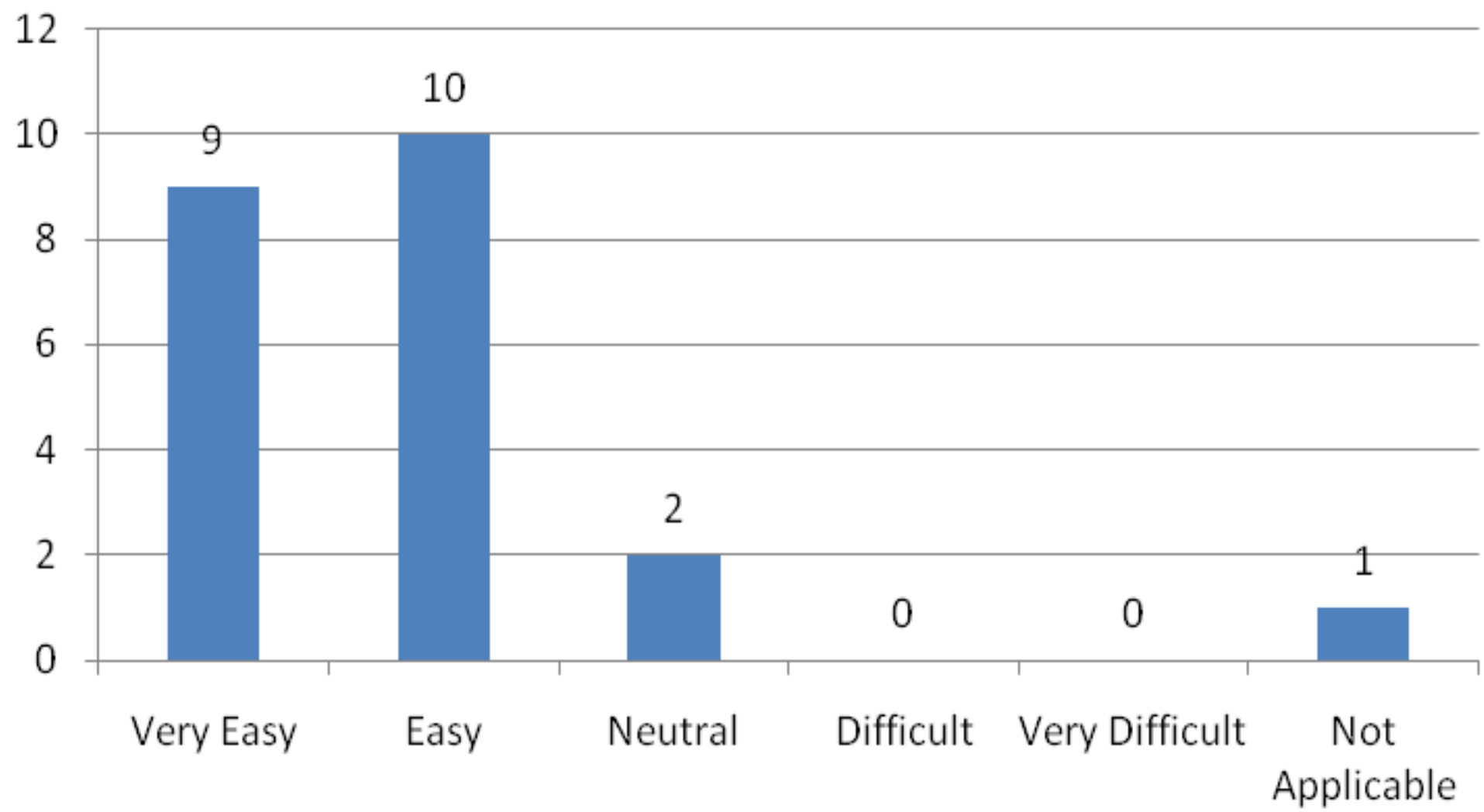


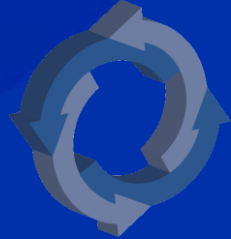
- Project Areas were asked to complete an anonymous, on-line feedback questionnaire
- 85% (53/62) respondents completed the poll
- Eleven questions highlighting
 - Ease of using CRA to report data
 - Effectiveness of communication from CDC
 - Benefits of past exercises
 - Issues/barriers encountered
 - Collaboration between Immunization and Emergency Preparedness
 - Feedback to improve future responses



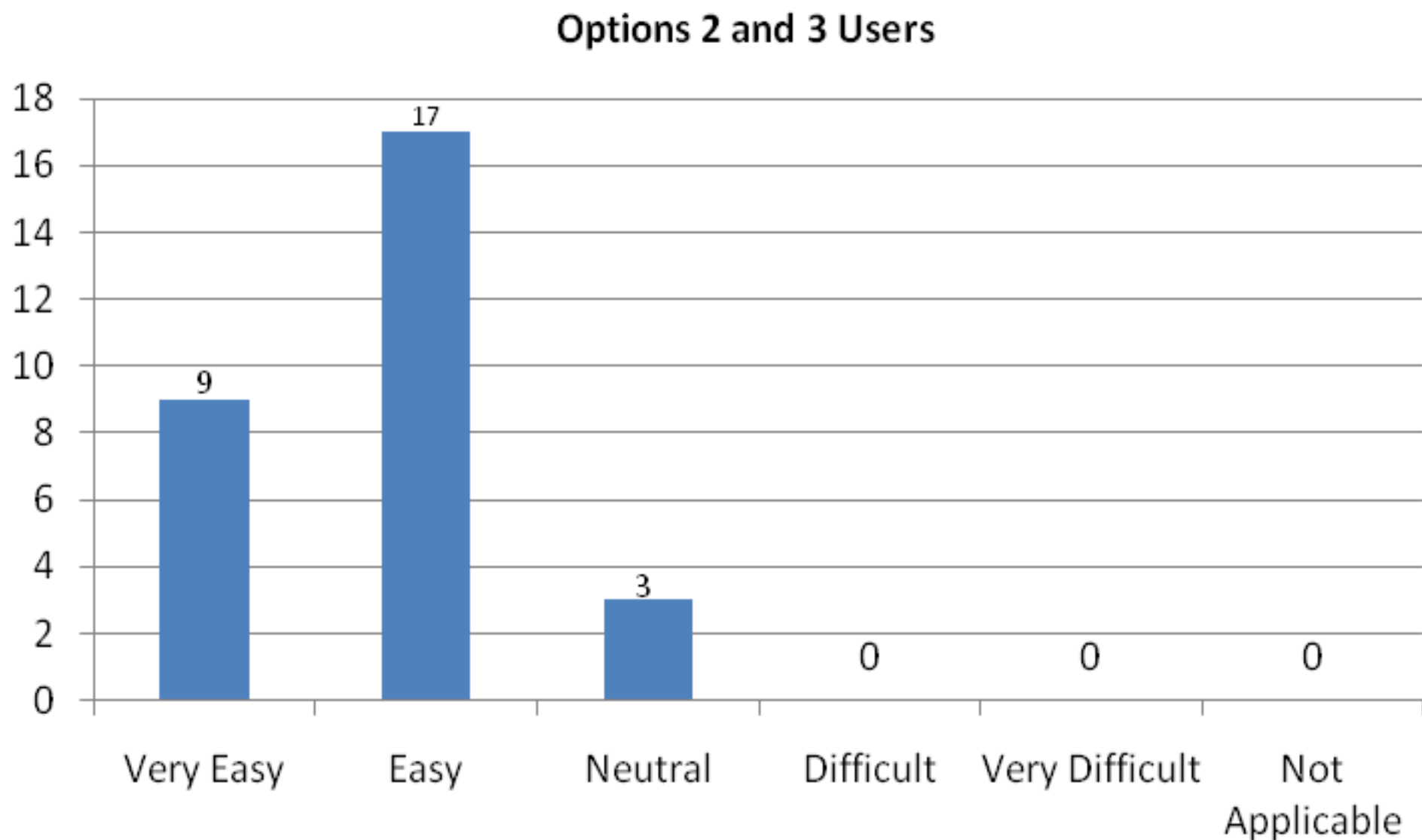
Q1: How easy was CRA to use to report data to CDC?

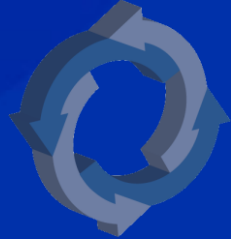
Option 1 Users





Q1: How easy was CRA to use to report data to CDC?





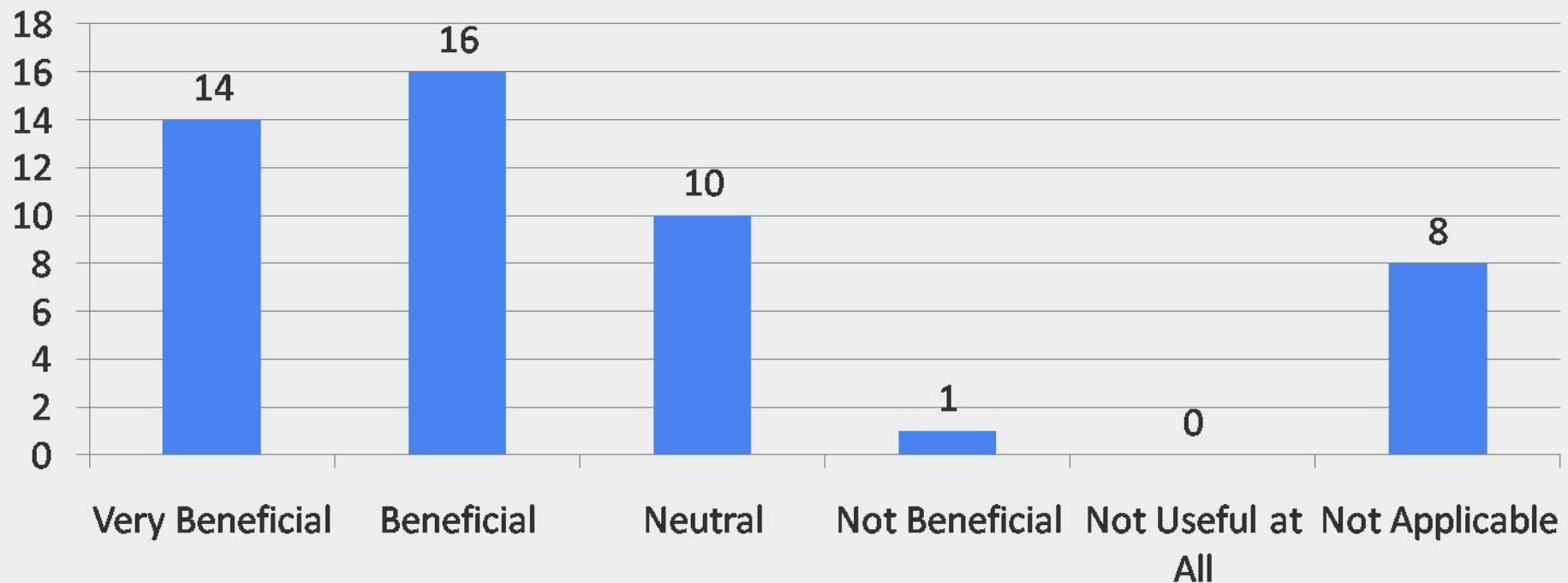
Q2: Please rate your experience with the level of support provided by CDC ?

	Option 1 Users Ranked Very Adequate or Adequate	Option 2 Users Ranked Very Adequate or Adequate
Communication	19/22	27/30
CDC Points of Contact	19/22	26/30
Weekly Project Area Update	17/22	23/30
CRA Webpage	16/22	20/30
Technical Assistance and Support	15/22	19/30
PHIN Helpdesk	13/22	15/30



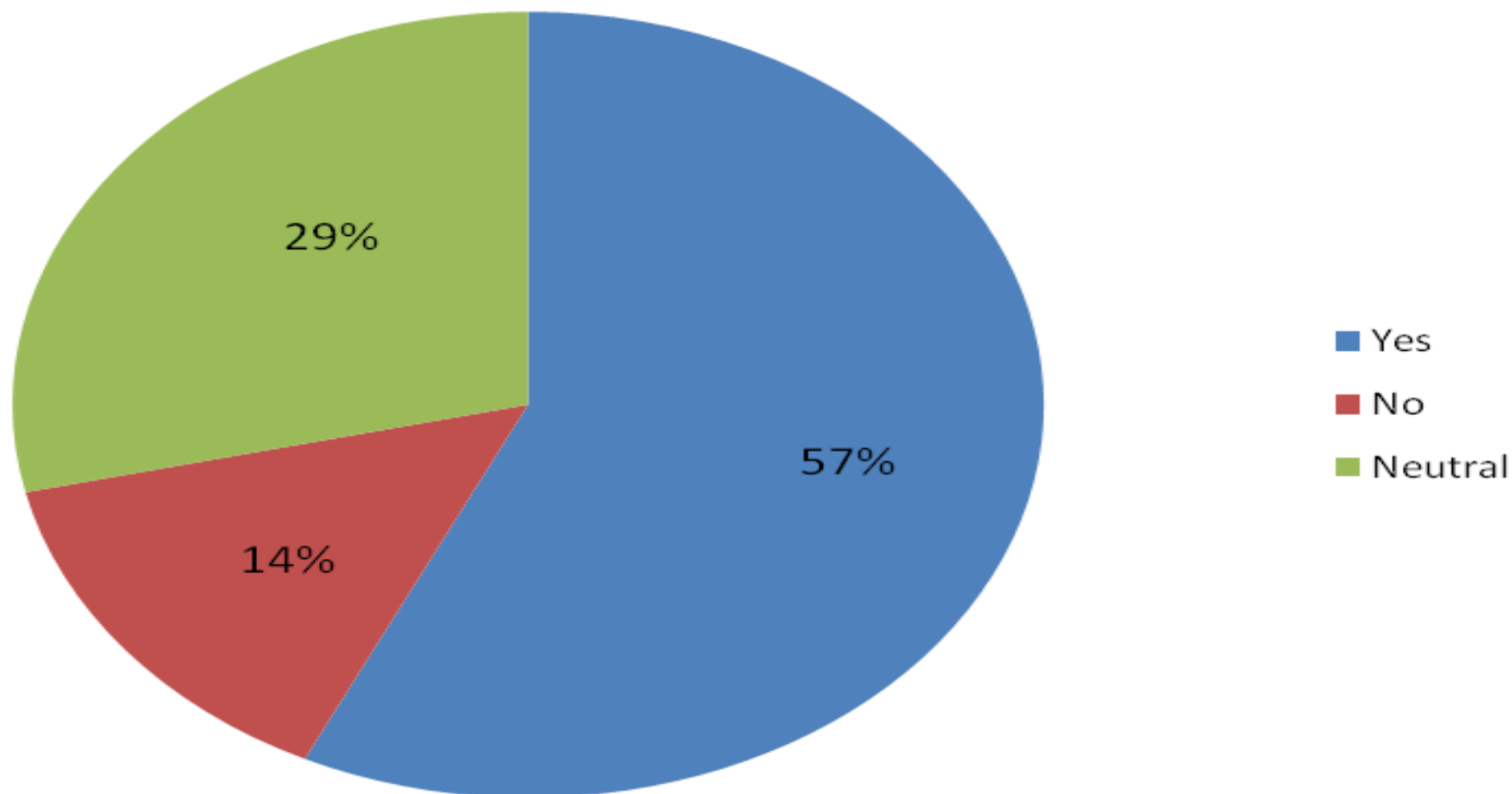
Q3: How beneficial were past CRA exercises in preparing for the H1N1 administered reporting requirement?

Benefit of Past Exercises in Preparing Project Areas for the H1N1 Event





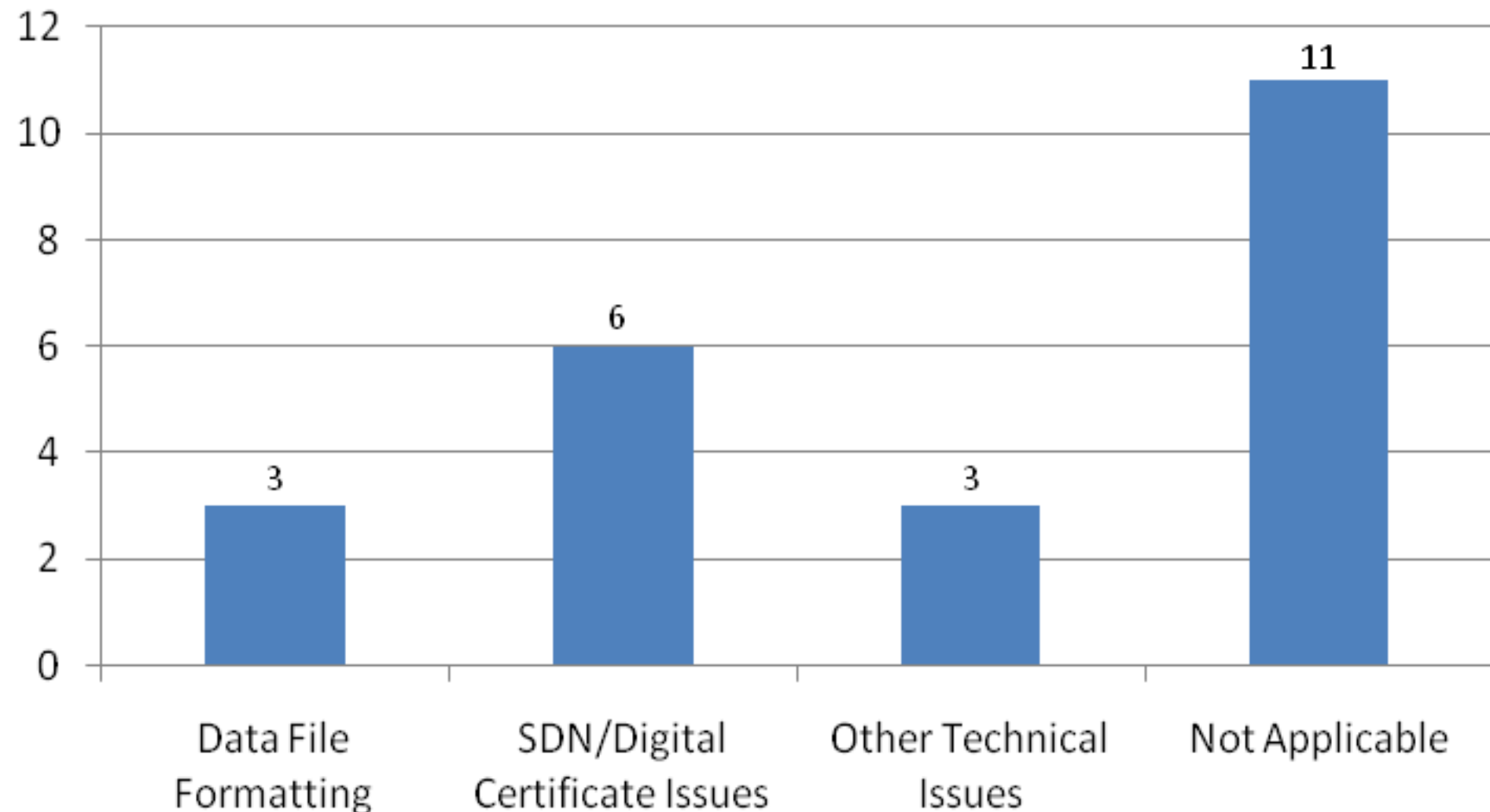
Q4: Has H1N1 Initiative helped to improve coordination and communication between Immunization and Preparedness branches/sections at your health department?





Q5: What technical issues, if any, did you encounter while reporting data to CDC?

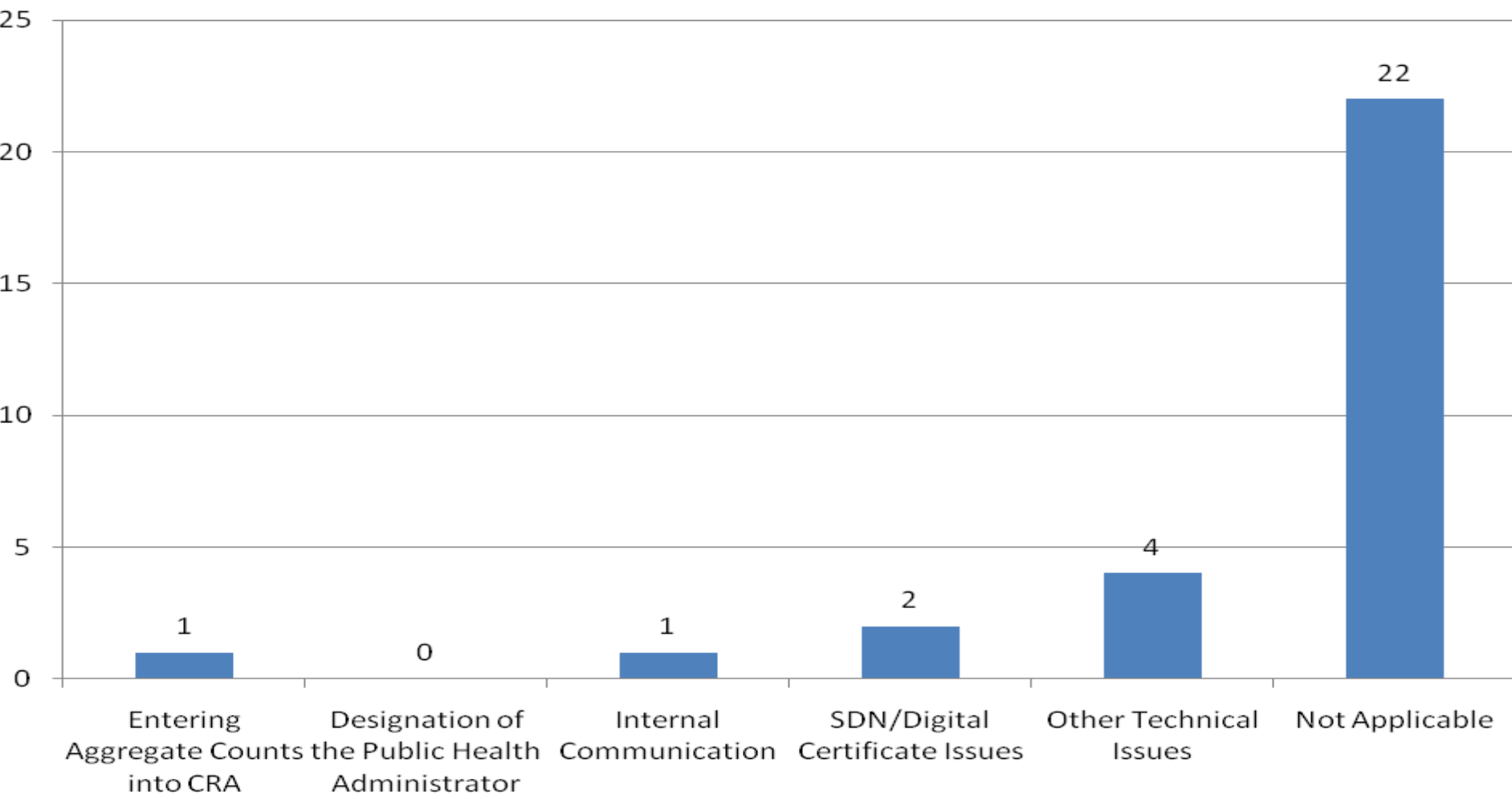
Option 1 Users



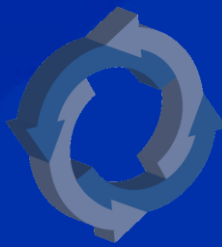


Q5: What technical issues, if any, did you encounter while reporting data to CDC?

Options 2 and 3 Users

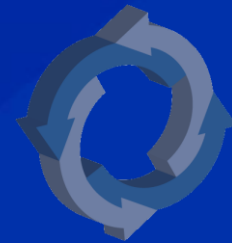


After Action Review Call Feedback



- Challenges with DA exercise priority groups conforming to H1N1 ACIP age groups
- CRA was easy to use
- CDC/CRA support was good (technical and project)
- Communication was good throughout event
- Continue interactive webinars to show functionality of CRA

Doses Administered Successes and Challenges



Successes

- Nearly 100% weekly reporting from all Project Areas
- Project Area timeliness and accuracy of reporting
- Project Area participation
 - Weekly webinars
 - CRA application trainings
 - Access to CRA webpage resources

Challenges

- Operational logistics at the Project Area level
- Digital Certificate issues
- Programmatic/Technical
 - SDN security upgrades
 - Aggregate reporting
 - Uploading information
- Other Challenges
 - Tsunami, blizzard, hurricane, and bomb threat!

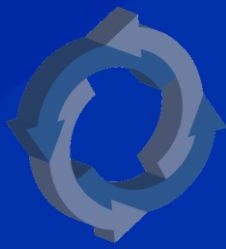
Lessons Learned



- Need consistency between Immunization and Preparedness Programs
- Positive collaboration among federal, state and local health agencies contributed to the success of the H1N1 doses administered monitoring response
- Increased frequency of communication via webinars, conference calls, one-on-one calls was effective in increasing participation
- Need full Project Area participation in replacing and updating all doses administered counts for all previous reporting weeks on a weekly basis
- Difficult to get timely and complete reporting during a public health pandemic
- Room for improvement in automating systems at the state and local levels

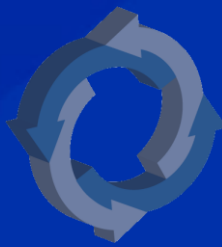


Plans for 2010



- Continue to seek supplemental funding opportunities to assist Project Areas
- Continue to provide educational opportunities (i.e. conferences, meetings, etc.)
- Seek additional opportunities where CRA can be used to track and monitor other preparedness events

CRA H1N1 Project Area Summary Reports



- Two page report illustrating how each Project Area performed during the H1N1 doses administered monitoring event
 - Tables and figures comparing Project Area aggregate counts and performance measures with national and option choice trends
- Performance Results
 - Timeliness
 - Responsiveness
 - Completeness
 - Robustness
 - Lessons Learned and Conclusions

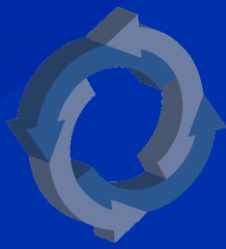


CRA Stakeholder Meeting NIC Conference



- April 20, 2010
- Noon- 2pm
- Hyatt Regency Hotel, Atlanta GA
- Agenda
 - Background
 - H1N1 doses administered results and lessons learned
 - 2010 possible funding opportunity
 - Open Discussion and Feedback





Questions or Comments?

